

MARATHA VIDYA PRASARAK SAMAJ'S Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik



Permanently Affiliated to Savitribal Phule Pune University Vide Letter No.: CA/1542 & Approved by AICTE New Delhi - Vide Letter No.: 740-89-32 (E) ET/98 AISHE Code - C-41622

Department of Civil Engineering Innovative Teaching Method – Inquiry Based Learning

Name of Faculty – Mr. R. C. Patil Academic Year– 2023-24 Class – BE Semester I

Name of Subject: Transportation Engineering

Objectives of Methodology:

- 1. Inquire about the different sign boards in vicinity.
- 2. Infer the sign boards inquired in vicinity referring IRC-67-2001 (Code of Practice for Road Signs).

Details of Activity/Method:

Activity – Inquire and Infer about the different sign boards in vicinity.

- 1. Students shall identify different sign boards in the vicinity.
- 2. Infer the sign boards inquired in vicinity referring IRC-67-2001 (Code of Practice for Road Signs).
- 3. Prepared report on same.

Assessment Tools & Rubrics:

Roll No.	Name of Student	4	4	2	10
1	AHER PARTH DEEPAK	-	-	-	-
2	AHIRRAO LEENA MAHENDRA	4	3	1	8
3	SINGH ARJUN MAHY PAL	3	3	2	8
4	AWANKAR HARI VIJAY	-	-	-	-
5	BAGUL SOMNATH POPAT	3	2	0	5
6	BHADANGE AVINASH SANTOSH	3	3	0	6
7	BHUSE ISHAA PRASHANT	4	4	0	8
8	CHAUDHARI PALLAVI BHAGWAN	3	3	1	7
9	CHAVAN DIVYA BARKU	4	3	1	8
10	DESHMUKH VAIBHAV KESHAV	3	2	0	5



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11	GHUGE PRANAV DNYANESHWAR	3	2	0	5
12	JADHAV PRATHAM VIJAY	4	3	0	7
13	JAGTAP TANISHKA DEVENDRA	3	3	0	6
14	KAPADNIS APURVA ANANT	4	4	0	8
15	KHADANGALE VEDANT MANGESH	3	2	0	5
16	KHAMBAIT AJAY CHANDRAKANT	3	3	0	6
17	MEHETRE AMAN GANESH	3	3	0	6
18	MHAISDHUNE SAHIL VILAS	3	2	0	5
19	PAGAR YUVRAJ HIREN	4	3	0	7
20	PATHAN IMRAN SHAKIL	4	4	0	8
21	PATIL HARSHALI JITENDRA	3	3	0	6
22	RANDHIR PRANJAL SHASHIKANT	4	3	2	9
23	SANGALE HEMANT DATTATRAY	-	-	-	-
24	SANGLE SAKSHI GORAKSHNATH	4	4	2	10
25	SONAWANE BHUVANESH DHANRAJ	4	3	0	7
26	SONAWANE PRANAV RAMAKANT	3	3	0	6
27	SURYAWANSHI ANIKET RAJESH	-	-	-	-
28	UGALE VIKAS RAJENDRA	4	3	1	8
29	VELIS SIDDHANT DNYANESHWAR	3	2	0	5
30	AGRAWAL VINIT SURYAKANT	4	3	0	7
31	AGRAWAL OM SANJAY	3	2	0	5
32	AHER PRADNYA BAPU	3	2	0	5
33	AHER SWATEJ RAGHUNATH	3	2	0	5
34	BACHHAV DARSHAN SUNIL	3	2	0	5
35	BANGAR MANOJ NAVNATH	3	3	0	6
36	BHADANE SURAJ NIVRUTTI	4	3	0	7
37	BHAMARE YOGITA DILIP	3	2	0	5
38	BORAVE VINAY SUNIL	4	3	0	7
39	DEORE ARJUN PRASHANT	-	-	-	-



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40	DEORE RITESH RAKESH	4	3	0	7
41	DESHMUKH YASH RAJENDRA	3	2	0	5
42	JADHAV YOGINI DHANRAJ	4	3	2	9
43	KADLAG SANKET SANDIP	3	3	0	6
44	KAKAD ATHARVA MANIK	3	2	0	5
45	KALE SIDDESH SANJAY	3	3	0	6
46	KALOGE ASHUTOSH ANIL	3	2	0	5
47	KARVE PRANAV SANJAY	3	2	0	5
48	MAURYA KAJAL KARAMCHAND	3	3	2	8
49	MHASKE KETAKI BHALCHANDRA	3	3	2	8
50	MUNDAWARE LALIT LATISH	-	-	-	-
51	MUSALE SRUSHTI GIRISH	4	3	1	8
52	NAGAPURE GAYATRI DNYANESHWAR	3	3	2	8
53	PAGAR KALYANI GORAKH	3	3	2	8
54	PATIL MAYURESH SOMNATH	4	3	2	9
55	PATIL PRATIK YOGESH	3	2	2	7
56	PATIL SIDDHESH SUDHIR	3	2	0	5
57	PATIL YASHWARDHAN PRAMOD	4	4	0	8
58	PAWAR NIKITA ANIL	3	3	2	8
59	RAJOLE OM ANIL	4	3	2	9
60	SALUNKE JANAVHI PRAKASH	3	3	2	8
61	SHINDE ROHIT SOMNATH	3	3	0	6
62	SONAWANE ABHISHEK SHRIRAM	3	3	0	6
63	TAJANPURE VAISHNAVI BHARAT	4	3	1	8
64	WAGH RUSHIKESH MADAN	3	2	0	5
65	WANKHEDE SURAJ SANTOSH	3	3	2	8
66	VASAIKAR YOGENDRA PRASHANT	-	-	-	-
67	SHIRSATH ROSHANI SURESH	3	2	0	5
68	KOTHIYA JAYKUMAR JAGDISH	2	2	0	4



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Course Outcomes (Related to Methodology)

After the completion of this activity students will be able to:

	Course Outcome	BTL
CO1	Discuss the traffic engineering and control methods.	2

POs (Related to Methodology)

After the completion of this activity students will be able to:

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of
	complex engineering problems.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions
	using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that
	meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental
	considerations.
PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments,
	analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as,
	being able to comprehend and write effective reports and design documentation, make effective presentations, and give and
	receive clear instructions.
PO11	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work,
	as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest
	context of technological change.



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PSOs (Related to Methodology)

After the completion of this activity

PSO1	Graduates will apply technical knowledge, engineering skills, and competencies necessary for entering civil engineering career.
PSO2	Graduates will demonstrate knowledge and techniques in engineering fields for effective management and professional
	development.
PSO3	Graduates will apply technical and professional skills to be nationally competitive for employment/self employment thereby
	benefit the society.

Evidences:

-	MARCENA VIENA PRAEMANA BARAFA Karmaveer Adv. Baburas Ganpotro Thakaro College of Engineering, Nashik DUFARTABENT OF CIVIL PNGINEERING.	Annovative tracking) Real time dentify different Sign Boards in the vicinity and analyse them with respect to TRIGT	(Olour combination • The background of the sign board is white • The background of the sign board is Red
e	AV 202324 Semanter VIID Name at Nuclear - Mayoresh Partil Conner - Disseptition Engineering (CMD) Avignmen No. 2. Take of Angement - Theoremit fauching - Edentify different - 2613123 Date of Angement - Theoremit fauching - Edentify different - 2613123 Boords in the vicinity and analyse with respective IRC 67 Bearing Anadiequidle and OUIStanching		 The symbol of a Rumbel strip phone be shall? In black on a white background R50mm wide bands, alternately black and white Height of Post. Af should be at least 3.0m above the ground level, However, it is desirable to have the sign board at a
19:	R1- Date level of inderivating Avanue (vector) Comprehension 0 matrixeding 1321 Laborative (vector) R2-Avances/ suppropriat and now Subclasses appropriation? matrixeding 1321 Laborative (vector) Appropriation uppropriation and now Subclasses appropriation? matrixed (rS-1) matrixed (rS-1) R3 - Parasiteality Vecy lide (0) Laborative (rS-1) Without take (rS-1) R3 - Parasiteality Vecy lide (0) Laborative (rS-1) Without take (rS-1) R4 - Avantavy Appropriation (rS-1) Without take (rS-1) Without take (rS-1)	aliy Content Section 2014	hight of 2.3m about the ground text. Uss is The sign should be posted to form in advance of the symble Strip provided on the road to control and reduce the speed. 2) This is to warn the deven of the presence of the numble Strip.
ſIJ	OPPO Reno3 Pro 4G OR3P	COPPO Reno3 Pro 4G ORSP TAME ENERGY & PROTECT ENVIRONMENT	3) Rumble Ship sign boarde should be used in conjuition with other saying theasures. Such as speed limits and lane Harkings



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C O	MVP Sama's KBT CDE, NASHIK	C. O MVP Sama(s, KET CCE, NASHIK
UNP Samuje KOT COLE MARKE (Olavy Cambinulion : • The background of the sign board is white • The background of the sign board is Red • The symbol of Sikool Bhead though be shown in black on a while background. • 250mm wilde boarde, alternately black and while Hilght of Posts should be at least 2 0m above the ground level. However it is dissuble to have the sign board at a hulght of 2 Sim above the ground level. USES: N The sign should be used where School buildingst on grounds are different to the wood. e) To ware readings. a stokest the ground level to show a down and divers to be approveding a school and be more cuilions. a) To xermind rood ware to be aware of children who may be training the wood on playing near the school.	Pedestrain training	 Colour tombinations: The background of the sign board is white The background of the sign board is well. The symbol of pedestrain traving should be shown in black on a white background. 250 mm wide bonds. Alternatily black and white Height of Post: St should be at least 2 on above the ground level House it is a bove the ground level of a small the light of small well. Uses: N Pedestrain crossing sign provide advance notice of areas of high Pedestrain activity so drivers can prepare to the driver on the ground the south of a small of the standard of th
TAKE EVENDY & PROTECT FACING AND INT		TEAME ENERGY & PROTECT ENVIRONMENT



Impact Analysis for Outcomes (Based on Students Feedback):

	Course Outcome	CO1
Α	No. of Groups/Students Achieving CO	54
В	Total Rating	160
С	Average Rating (B/A)	2.96



Program Outcome

	Program Outcome	PO1	PO2	PO3	PO4	PO8	PO9	PO10	PO11	PO12
Α	No. of Groups/Students Achieving PO	54	54	54	54	54	54	54	54	54
В	Total Rating	157	156	157	156	157	156	158	155	158
С	Average Rating (B/A)	2.90	2.89	2.90	2.89	2.91	2.89	2.93	2.87	2.93



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Program Specific Outcome

	Program Specific Outcome	PSO1	PSO2	PSO3
Α	No. of Groups/Students Achieving PSO	54	54	54
В	Total Rating	158	156	159
С	Average Rating (B/A)	2.93	2.89	2.94





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Impact Analysis for Methodology (Based on Students Feedback):

	Rating	Q1. Did you find the methodology	Q2. Is the content relevant?	Q3. Concept of the
		helpful?		methodology.
Α	No. of Students	54	54	54
B	Total Rating	155	157	156
С	Average Rating (B/A)	2.87	2.91	2.89









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Link for Review and Critics:

https://docs.google.com/forms/d/1xxNShjhx6QwafAR2kZNQoRhnGR_ZSyoCKTUVJCcqvSA/edit

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